SEQUENCE LISTING

<110> Balloul, Jean-Marc
Paul, Stephane

<120> Poxvirus With Targeted Infection Specificity

<130> 032751-052

<140> US 09/832,899
<141> 2001-04-12

<150> US 60/246,080
<151> 2000-11-07

<160> 21

<170> PatentIn version 3.1

<210> 1
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR primer to amplify the MVA 138L gene and flanking region

<400> 1
cagactggac ggcgtccata tgag 24

<210> 2
<211> 61
<212> DNA
<213> Artificial Sequence

<220>
<223> antisense PCR primer to amplify the 3' end of MVA 138L gene and 3' flanking region

<220>
<221> gene
<222> Complement((1)..(61))
<223>

<400> 2
catttttaa gtatagaata aaagatcccg ggagtaccat cgtgattctt accagatatt 60

a 61

<210> 3
<211> 61
<212> DNA

<213> Artificial Sequence

<220>
<223> PCR primer to amplify E. coli gpt gene and H5R promoter

<220>
<221> gene
<222> (1)..(61)
<223>

<400> 3
taatatctgg taagaatcac gatggtactc ccgggatctt ttattctata cttaaaaaat 60

g 61

<210> 4
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> antisense PCR primer to amplify E. coli GPT gene and pH5R promoter

<400> 4
ggggttaatt aaggaagtta aaaagaacaa cgccc 35

<210> 5
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR primer to amplify the upstream region of MVA 138L gene

<400> 5
gggggaattc gagcttatag cgtttagttc aggtacgg 38

<210> 6
<211> 44
<212> DNA
<213> Artificial Sequence

<220>
<223> antisense PCR primer to amplify the upstream region of the MVA 138L gene

<400> 6
ggggaagctt ttaaagtaca gattttagaa actgacactc tgcg 44

<210> 7
<211> 68
<212> DNA
<213> Artificial Sequence

<220>
<223> antisense primer to amplify the upstream region of teh MVA 138L gene

<400> 7
ggggaagctt caagagcggc acggctcccg ccgctgcgac gttcaggagg accaaggcaa 60

ccacgaac 68

<210> 8
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR primer to amplify the MVA 138L gene and its downstream region

<400> 8
ggggaagctt atggacggaa ctcttttccc c 31

<210> 9
<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<223> antisense PCR primer to amplify the MVA 138L gene and its downstream region

<400> 9
gggggaattc gcttatcgtt atcgggttta gcttctg 37

<210> 10
<211> 68
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR primer to amplify SM3 scFv sequence

<400> 10
cgcagagtgt cagtttctaa aatctgtact ttaaatggtg cagctgcagg agtctggagg 60

aggcttgg 68

<210> 11
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> antisense PCR primer to amplify the SM3 scFv sequence

<400> 11
gatcgtcatc tccggggaaa agagttccgt ccatcagttt ggttcctcca ccgaacac 58

<210> 12
<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR primer to amplify the SM3 scFv sequence

<400> 12
cctgaacgtc gcagcggcgg gagccgtgcc gctcttggtg cagctgcagg agtctgg 57

<210> 13
<211> 111
<212> DNA
<213> Artificial Sequence

<220>
<223> sequence of the synthetic p11k7.5 promoter

<400> 13
ataaaaatat agtagaattt catttgtttt tttctatgct ataaatagga tccgataaag 60

tgaaaaataa ttctaattta ttgcacggta aggaagtaga atcataaaga a 111

<210> 14
<211> 53
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR primer to amplify the p11k7.5 promoter

<400> 14
gggggatccc ccgggctgca gaagcttttc tttatgattc tacttcctta ccg 53

<210> 15
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> antisense PCR primer to amplify the p11k7.5 promoter

<400> 15
gggggggagat ctaagcttgt cgacataaaa atatagtaga atttcatttg 50

<210> 16
<211> 77
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic sequence

<400> 16
gatggtgaca gggggaatgg caagcaagtg ggatctcgag ttgggtgact ttggtgacag 60

atactactgt gtttaag 77

<210> 17
<211> 85
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic sequence

<400> 17
gatccttaaa cacagtagta tctgtcacca aagtcaccca actcgagatc ccacttgctt 60

gccattcccc ctgtcaccat ctgca 85

<210> 18
<211> 32
<212> DNA
<213> Artificial Sequence

<220>

<223> PCR primer to amplify the 5' F13L flanking region of MVA

<400> 18
gagaggatcc gggtatctag ccacagtaaa tc 32

<210> 19
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> antisense PCR primer to amplify the 5' F13L flanking region of MVA

<400> 19
tttcgaattc ggaatctgta ttctcaatac cg 32

<210> 20
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR primer to amplify the 3' F13L flanking region of MVA

<400> 20
atctgaattc gtggagatga tgatagttta agc 33

<210> 21
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> antisense PCR primer to amplify the 3' F13L flanking region of MVA

<400> 21
aacaggatcc cttatacatc ctgttctatc aacg 34